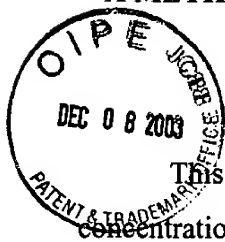# A METHOD AND APPARATUS FOR PREPARING A SAMPLE FOR ANALYSIS OF PRECIOUS METAL CONTENT

## Abstract of the Disclosure

This invention relates to a method for assaying an ore sample to determine the concentration of gold and PGMs therein. The method comprises the steps of separating an ore sample, combining the prepared ore sample with a lead-containing flux, inductively heating the combination (typically at a pre-determined reference temperature profile) to form a fusion of slag and lead containing the gold and PGMs in the sample and separating the lead from the slag. The invention also covers a receptacle for separating molten lead from slag. The receptacle includes a base with a side wall extending from the base, the side wall defining a top-opening into the receptacle, and the side wall having a collecting cavity set into the side wall, wherein the collecting cavity is sized to collect a pre-determined amount of molten lead.